Dialight

LumiDrives

www.lumidrives.com

Colourdriver™ RF

Remote Control Colour Change

What the lighting industry has been waiting for!

The Colourdriver™ RF represents true innovation in LED lighting. A powerful LED driver combined with an intuitive RF remote control.

The Colourdriver™ RF enables new applications with simplicity.

Each Master unit and each Slave Unit can drive up to 18 LEDs and each Master Unit can drive up to 256 Slave units, thus creating the facility for controlling very large arrays of LED lighting with a single remote control unit.

Dialight

LumiDrives

Product Data

New Product!

Colourdriver™ RF - Remote Colour Change

Colourdriver™ RF Master Unit

Colourdriver™ RF Slave Unit

FEATURES

- Simple Plug-and-Play
- No Need for Separate Data Wiring
- No Complex Control Set Up
- Up To 300m Remote Range
- Enrolling Facility for Multiple Remotes
- Compatible with Lumidrives Colour Engines

APPLICATIONS

- Track Lighting
- Downlighting
- Floodlighting
- Linear Wallwash
- Landscape
- Pool Lighting
- Consumer / Residential
- Retail Display
- Bars / Restaurants

Connection Limitations

1W LEDs per Master Unit	18
1W LEDs per Slave Unit	18
No. of Slaves per Master Unit	256
Max. Cable Length to LEDs	10m
Max. Cable Length between Drive Units	20m
(With RJ45-RF-T Terminator)	TBA
Total Circuit Cable Length	1km

Colourdriver™ RF Remote Control
300M Range

© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.

Dialight LumiDrives

Colourdriver RF Master/Slave Specification

Input

Input Voltage Range	(V_{in})	86 - 265V AC
Frequency	(f)	50 60 Hz
Power Consumption	(P_{in})	27 watts
Efficiency at max load	(ŋ)	80% typ
Insulation		Double insulated to EN60950

Output

Power Output Range	(P_{och})	1 7.2 watts per channel
Output Current	(I_o)	3 x 350mA
Output Voltage	(V_o)	3 - 24 volts DC
Open Circuit Voltage	(V_{oc})	32 volts
No. of Slaves per Master		256

Environmental

Operating Ambient Temperature	(T_{op})	+50ºC
Ambient Storage Temperature	(T_{st})	+60ºC
Case Temperature	(T_c)	+80ºC
Relative Humidity	(RH)	90% non-condensing
Lifetime (failures after 50,000 hours)	(L_{50k})	5%

Mechanical

Dimensions	Approx. L178.0mm x W53.0mm x H32.5mm
AC input	Wago Cage Clamps 2 per pole
LED Output	8 way molex microfit 3
Control Input / Output	RJ45

Colourdriver RF Remote Control Specification

General

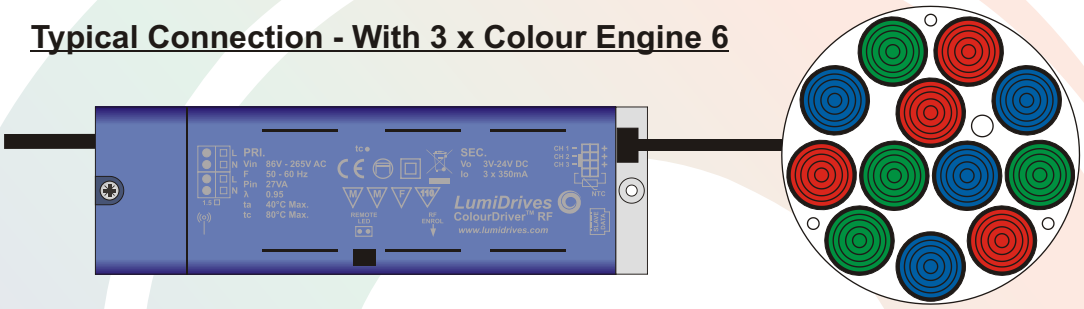
Battery Voltage/Type	AAA alkaline cell
Battery Life	>30,000 keypresses
RF Frequency Range	433.92MHz
Modulation	FM
Dimensions	L96.0mm x W47.0mm x H24.0mm

© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.

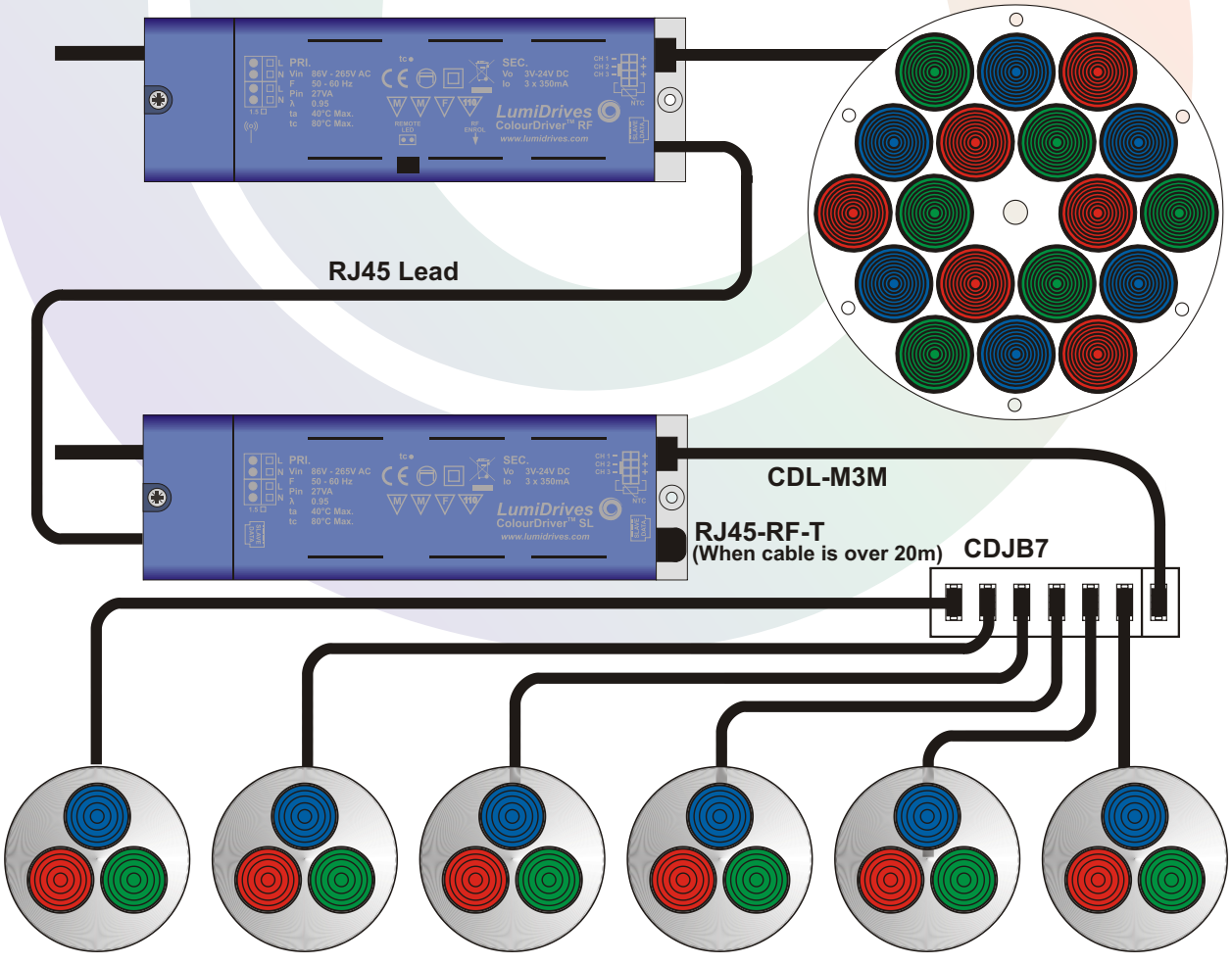
Dialight
LumiDrives

Typical Connection - With Colour Engine 18

Typical Connection - With 3 x Colour Engine 6



Typical Connection Master/Slave - With Colour Engine 18 & 6 x HaloLED RGB



© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.

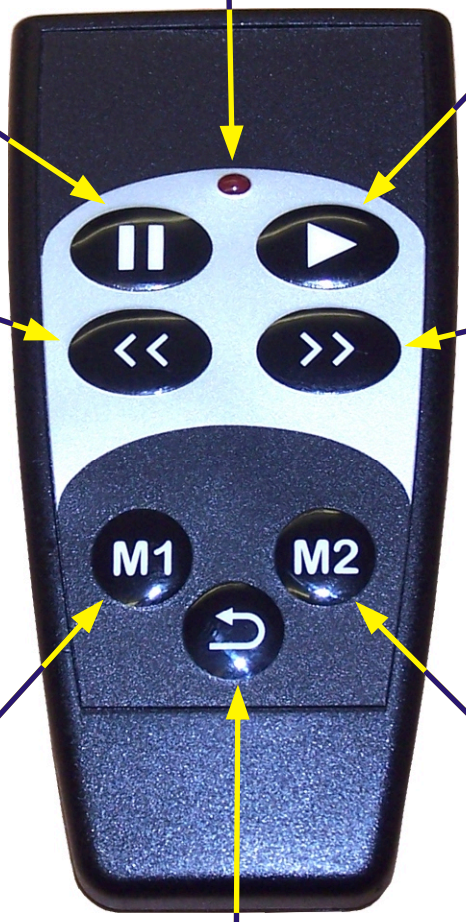
Dialight LumiDrives

ColourdriverTM RF Remote Control functions

INDICATOR LAMP
The *INDICATOR LAMP* flashes whenever a button is pressed, indicating that the battery is okay and that a signal is being transmitted.

PAUSE
The *PAUSE* button enables the user to halt the colour change sequence at exactly the colour they require, or switch off the colour change if the button is held down.

PLAY
The *PLAY* button starts the pre-programmed colour sequence.



SLOW / REVERSE
The SLOW / *REVERSE* button slows down the colour change sequence, or if the sequence has been paused, it will move backward through the sequence, step by step.

FAST / FORWARD
The *FAST / FORWARD* button speeds up the colour change sequence, or if the sequence has been paused, it will move forward through the sequence, step by step.

MEMORY 1
The *M1* button stores a colour scene in one of two memory locations.

To operate this, having selected the required colour scene with the PAUSE button, the user presses and holds down the M1 button until the LEDs flash off and on.

The colour scene is then stored and may be retrieved at any time by pressing M1 or changed again by repeating the store procedure.

MEMORY 2
The *M2* button operates in exactly the same way as M1 and will store a colour scene in the second of two memory locations.

Once the two memories are programmed, it is possible to switch instantly from one stored colour scene to the other by pressing M1 and M2.

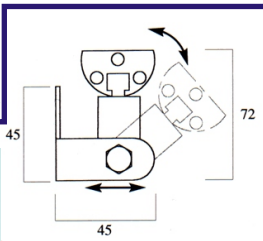
LOOP
The *LOOP* button begins a sequence which changes the colour scene stored in M1 into the colour scene stored in M2 and back again in a smooth transition colour change.

© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.

Dialight

LumiDrives

Application Possibilities - Retail



Colourdriver™ RF Wallwash Concept Using Remote Driver

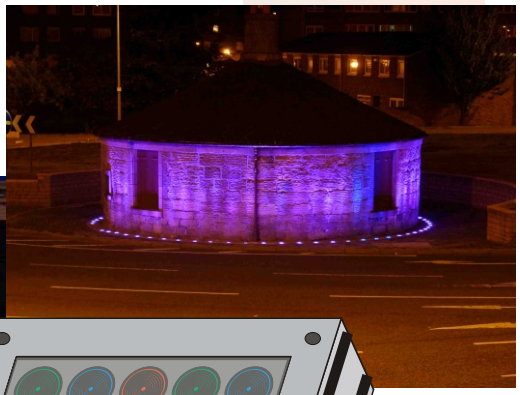
Colourdriver™ RF Downlight/Tracklight Housing Concept

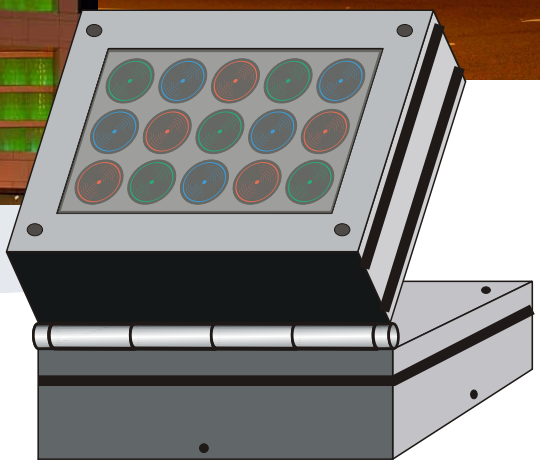
© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.

Dialight

LumiDrives

Application Possibilities - Outdoor





Colourdriver™ RF
Floodlight
Housing Concept

© 2006 LumiDrives Ltd. LumiDrives, the LumiDrives logo, Colourdriver, LinkLED, Lifesaver and Liquid Lens are registered trademarks. All other brand or product names are trademarks of their respective owners. Specifications subject to change without notice. Patents Pending.